

Message Text

UNCLASSIFIED

PAGE 01 STATE 028475
ORIGIN HUD-02

INFO OCT-01 EUR-12 ISO-00 L-03 CIAE-00 INR-07 NSAE-00
OES-06 SAJ-01 COME-00 EB-08 SS-15 USIA-15 /070 R

DRAFTED BY HQDA(DAEN): WTAYLOR
APPROVED BY EUR/SOV: MJWILKINSON
HUD/SFI: DRFREEMAN
HUD/SFI: CNRASSIAS
EUR/SOV: WVEALE

-----090634Z 105416 /17

R 082241Z FEB 77
FM SECSTATE WASHDC
TO AMEMBASSY MOSCOW

UNCLAS STATE 028475

E.O. 11652:N/A

TAGS: TECH, UR, US

SUBJECT:U.S.-U.S.S.R. HOUSING AGREEMENT: MEETING OF WORKING
GROUP 10.05

REF: (A) STATE 26266; (B) MOSCOW 1347

1. REQUEST EMBASSY PASS FOLLOWING LETTER AND ATTACHMENTS
TO TARENTIEV OF GOSSTROY FOR TRANSMITTAL TO BORIS FEDOROV.
ORIGINALS BEING POUCHED TO EMBASSY.

2. "DEAR MR. FEDOROV: THANK YOU FOR YOUR KIND LETTER OF
26 NOVEMBER 1976. IT WAS OUR PLEASURE TO HOST THE
OCTOBER 1976 MEETINGS WITH YOUR EXPERT REPRESENTATIVES,
IN KEEPING WITH OUR 25 NOVEMBER 1975 PROTOCOL. THE VISIT
WAS MOST SUCCESSFUL AND PRODUCTIVE.

"THE 16 OCTOBER 1976 PROTOCOL INDICATED YOUR EXPERTS WOULD
UNCLASSIFIED

UNCLASSIFIED

PAGE 02 STATE 028475

SUBMIT IT TO YOU FOR REVIEW. I WAS PLEASED TO LEARN FROM
YOUR LETTER THAT THE PROPOSALS IN THAT PROTOCOL ARE BEING
EVALUATED POSITIVELY BY YOUR SIDE. IN ANTICIPATION THAT
YOU WILL AGREE WITH THE PROTOCOL, AND IN KEEPING WITH THE
SPIRIT OF YOUR LETTER, I INCLOSE HERewith OUR PROPOSED
1977 ACTIONS TO IMPLEMENT THE PROTOCOL. I DO HOPE YOU WILL
BE PREPARED TO ACT FAVORABLY ON THESE PROPOSALS DURING OUR

NEXT WORKING GROUP MEETING, WHICH I HAVE AGREED SHOULD BE HELD IN THE UNITED STATES DURING 20-29 MARCH 1977. FURTHER STEPS, OF COURSE, CAN FOLLOW TO IMPLEMENT THE OTHER IMPORTANT OBJECTIVES OUTLINED IN YOUR LETTER.

"WITH BEST REGARDS AND IN HOPES THAT I WILL GREET YOU HERE IN MARCH, I AM VERY TRULY YOURS, WILLIAM B. TAYLOR, U.S. CO-CHAIRMAN, WORKING GROUP 10.05, CHIEF, RESEARCH AND DEVELOPMENT OFFICE."

ATTACHMENTS:

PROPOSED U.S. IMPLEMENTATION FOR 1977 OF 16 OCTOBER 1976
PROTOCOL OF U.S.-U.S.S.R. EXPERTS UNDER WORKING GROUP
10.05.
"BUILDING FOR EXTREME CLIMATES AND UNUSUAL GEOLOGICAL
CONDITIONS"

PROJECT: SCIENCE AND TECHNOLOGY OF FROZEN GROUND
(UNDER PROJECT 10.0502)

TOPIC: MACHINES AND TECHNIQUES OF WORKING ROCKS AND
FROZEN GROUND WITH SPECIAL EMPHASIS ON CUTTING, BORING
AND BLASTING

CUTTING AND BORING HARD GROUND MATERIALS WITH SPECIAL
REFERENCE TO EXCAVATING AND DRILLING AND BLASTING IN
PERMAFROST.
UNCLASSIFIED

UNCLASSIFIED

PAGE 03 STATE 028475

OPERATIONS INCLUDE TUNNELING, MINING, TRENCHING ON LAND,
UNDERSEA TRENCHING, ROTARY DRILLING, PERCUSSIVE DRILLING.

TOPICS WILL INCLUDE MECHANICAL PROPERTIES OF FROZEN EARTH
MATERIALS (ESPECIALLY HIGH-RATE COMPRESSIBILITY), POINT
CHARGES IN INFINITE AND SEMI-INFINITE MEDIA (INCLUDES
CRATERING), ARRAYS OF POINT CHARGES, LINEAR CHARGES, BENCH
BLASTING, CONTROLLED PERIMETER BLASTING, BLASTING OF
FINITE LAYERS (SEASONALLY FROZEN GROUND AND FLOATING ICE),
AIR BLAST (REFLECTION AND REFRACTION), SURFACE WAVES.

CRREL WILL CONTRIBUTE:

- A. PRINTED MATERIAL
- B. FORMAL LECTURES
- C. INFORMAL COMMENTS
- D. POST-OPERATION REPORT ON U.S.S.R. TECHNIQUES

CRREL WILL EXPECT TO RECEIVE:

- A. WRITTEN INFORMATION ON U.S.S.R. TECHNIQUES WITH ACCESS TO LIBRARIES
- B. OPPORTUNITIES FOR FIELD INSPECTIONS AND VISITS TO RESEARCH AND DESIGN INSTITUTES AND FACTORIES
- C. DISCUSSIONS WITH U.S.S.R. SPECIALISTS

PROPOSED WORK PLAN IN U.S.S.R.

U.S. TEAM: DR. MALCOLM MELLOR, RESEARCH SCIENTIST, EXPERIMENTAL ENGINEERING DIVISION OF U.S.A. COLD REGIONS RESEARCH AND ENGINEERING LABORATORY. DR. ANDREW ASSUR, CHIEF SCIENTIST OF U.S.A. COLD REGIONS RESEARCH AND ENGINEERING LABORATORY.

PERIOD: 1 JUNE 1977 TO 1 SEPTEMBER 1977
UNCLASSIFIED

UNCLASSIFIED

PAGE 04 STATE 028475

IT IS SUGGESTED TO SPEND 2 1/2 WEEKS WEST OF THE URALS TO COVER CONTACTS WITH ENGINEERING AGENCIES, RESEARCH INSTITUTES, MACHINE MANUFACTURERS, MINE OPERATORS, CONSTRUCTION PROJECTS. ALSO WORK AT THE LIBRARY FACILITIES OF THE ACADEMY OF SCIENCES IN MOSCOW AND OTHER MAIN LIBRARIES.

THREE WEEKS AT AKADEMGORODOK AND THE NOVOSIBIRSK LIBRARY OF THE ACADEMY OF SCIENCES IN ORDER TO STUDY WRITTEN MATERIALS AND CONSULT WITH ACADEMIC SPECIALISTS.

ONE AND ONE-HALF WEEK FIELD VISIT TO PERMAFROST CONSTRUCTION SITES IN EASTERN SIBERIA, ESPECIALLY INCLUDING THE NEW SIBERIAN RAILROAD.

ONE AND ONE-HALF WEEKS AT THE PERMAFROST INSTITUTE OF THE ACADEMY OF SCIENCES IN YAKUTSK TO STUDY MATERIALS ON PROPERTIES OF FROZEN GROUND AND VISIT RELEVANT CONSTRUCTION ACTIVITIES.

RETURN WITH A SHORT STAY IN MOSCOW (1/2 WEEK) OR RETURN OVER TOKYO AS A LESS EXPENSIVE ALTERNATIVE.

U.S.S.R. SPONSORS:

ACADEMY OF SCIENCES OF U.S.S.R., PERMAFROST RESEARCH INSTITUTE FOR VISITS IN MOSCOW. NOVOSIBIRSK, AKADEMGORODOK AND YAKUTSK. GOSSTROI, U.S.S.R., FOR VISITS IN MOSCOW AND ENGINEERING ACTIVITIES WEST OF THE URALS, BAM RAILROAD AND OTHER FIELD ACTIVITIES IN SIBERIA.

NOTE: DR. MELLOR WILL BE ACCOMPANIED BY WIFE AND TWO
TEENAGE CHILDREN. HE WILL PAY ALL ADDITIONAL EXPENSES
FOR HIS FAMILY. RESERVATIONS ARE THEREFORE NEEDED FOR
5 PERSONS, PREFERABLY APARTMENT-TYPE ACCOMMODATIONS.
UNCLASSIFIED

UNCLASSIFIED

PAGE 05 STATE 028475

SUBJECT: COMPUTER-AIDED ARCHITECTURAL AND ENGINEERING
DESIGN SYSTEM (CAEADS) (UNDER PROJECT 10.0501)

INTEGRATION AND COORDINATION OF VARIOUS DESIGNS,
DISCIPLINES AND FUNCTIONS THAT TOGETHER CONSTITUTE THE
VARIOUS PHASES OF THE CONSTRUCTION FACILITY DESIGN
PROCESS.

IMPROVE BOTH THE QUALITY AND RESPONSIVENESS OF FACILITY
DESIGN BY ASSISTING DESIGN PROFESSIONAL TO COPE WITH
INCREASING COMPLEXITY IN CONSTRUCTION AND IMPROVING HIS
PRODUCTION.

CERL WILL ACCEPT A SOVIET EXPERT IN SYSTEMS ANALYSIS IN
THE THIRD QUARTER OF 1977. THE SYSTEM AT CERL IS THE
COMPUTER-AIDED ARCHITECTURAL AND ENGINEERING DESIGN
SYSTEM (CAEADS) AND THE SOVIET EXPERTISE SHOULD BE IN
THIS TECHNICAL AREA.

PROJECT: DESIGN PROCEDURES USING THE CENTRIFUGE AND
OTHER MODELING TECHNIQUES (UNDER PROJECT 10.0502)

STUDY CENTRIFUGE TESTING FOR STATIC AND SEISMIC LOADING
AND OTHER MODELING TECHNIQUES.

BECOME ACQUAINTED WITH AND COMPARE LABORATORY TESTING AND
DESIGN PROCEDURES IN VARIOUS LABORATORIES.

WES WILL CONTRIBUTE:

- A. PRINTED MATERIAL
- B. FORMAL LECTURES
- C. INFORMAL COMMENTS
- D. POST-OPERATION REPORT ON U.S.S.R. TECHNIQUES

UNCLASSIFIED

UNCLASSIFIED

PAGE 06 STATE 028475

WES WILL EXPECT TO RECEIVE:

- A. WRITTEN INFORMATION ON U.S.S.R. TECHNIQUES
- B. OPPORTUNITIES FOR VISITS TO RESEARCH AND DESIGN INSTITUTIONS AND UNIVERSITIES
- C. DISCUSSIONS WITH U.S.S.R. SPECIALISTS

U.S. TEAM: MR. WALTER C. SHERMAN, JR., RESEARCH CIVIL ENGINEER, SOIL MECHANICS DIVISION, SOILS AND PAVEMENTS

UNCLASSIFIED

LABORATORY, WATERWAYS EXPERIMENT STATION. DR. MILTON HARR, PROFESSOR, SCHOOL OF CIVIL ENGINEERING, PURDUE UNIVERSITY.

PERIOD: THIRD QUARTER OF 1977. SPECIFIC DATES AND PROPOSED WORK PLAN TO BE ARRANGED.

SUBJECT: TECHNICAL SEMINARS AND DISCUSSIONS (UNDER PROJECT 10.0502, AS DISCUSSED IN PARAGRAPH 4, PAGE 6 OF THE OCTOBER 1976 PROTOCOL.)

WITH REFERENCE TO YOUR LETTER OF 26 NOVEMBER 1976, WE CONCUR IN YOUR PROPOSED SEMINAR IN LENINGRAD BETWEEN U.S. AND U.S.S.R. SPECIALISTS TO EXAMINE THE QUESTIONS OF FOUNDATIONS ON PERMAFROST AND THAWING SOILS, INCLUDING THOSE IN SEISMIC REGIONS; THE TECHNOLOGY OF THE MANUFACTURE AND DESIGN SOLUTIONS FOR BUILDINGS IN COLD REGIONS, AND WORKING OF FROZEN SOILS. THE NAMES OF THE U.S. SPECIALISTS AND SUGGESTED DATES FOR THIS SEMINAR WILL BE FURNISHED TO YOU BY SEPARATE CORRESPONDENCE AFTER THE SECOND CONFERENCE OF WORKING GROUP 10.05 IN THE U.S.

SPECIFIC THEMES PROPOSED FOR DISCUSSION IN THE LENINGRAD SEMINAR BY THE U.S. SPECIALISTS INCLUDE:
UNCLASSIFIED

UNCLASSIFIED

PAGE 07 STATE 028475

1. METHODS AND EQUIPMENT FOR CONSTRUCTION UNDER CONDITIONS OF PROLONGED BELOW-FREEZING TEMPERATURES.
2. METHODS OF EXCAVATING AND HANDLING FROZEN SOILS INCLUDING PERMAFROST.
3. THE EFFECTS OF LATERAL FORCES ON PERMAFROST FOUNDATIONS.
4. DESIGN AND CONSTRUCTION TECHNOLOGY AND IMPROVED MATERIALS TO REDUCE HIGH INITIAL COSTS AND HIGH OPERATING AND MAINTENANCE COSTS.

5. TECHNIQUES FOR SITE SELECTION FOR ENGINEERING WORKS
IN COLD CLIMATES.

6. PROCEDURES FOR ANALYZING IMMEDIATE AND LONG TERM
RESPONSE OF FROZEN SOILS TO STRESSES AND THERMAL
DIFFERENTIALS ESPECIALLY IN FOUNDATION STRUCTURES.

7. IMPROVED CONSTRUCTION TECHNOLOGY FOR LOW LIGHT
BUILDINGS IN COLD REGIONS INCLUDING ESPECIALLY PERMAFROST
AREAS.

VANCE

UNCLASSIFIED

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: AGREEMENTS, HOUSING, COMMITTEE MEETINGS
Control Number: n/a
Copy: SINGLE
Sent Date: 08-Feb-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977STATE028475
Document Source: CORE
Document Unique ID: 00
Drafter: WTAYLOR
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D770045-1069
Format: TEL
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t19770261/aaaacbzm.tel
Line Count: 290
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: 98adacc9-c288-dd11-92da-001cc4696bcc
Office: ORIGIN HUD
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 6
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: 77 STATE 26266, 77 MOSCOW 1347
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 20-Oct-2004 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 3376127
Secure: OPEN
Status: NATIVE
Subject: U.S.-U.S.S.R. HOUSING AGREEMENT: MEETING OF WORKING GROUP 10.05
TAGS: TECH, UR, US
To: MOSCOW
Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/98adacc9-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009